

**To:** Sorrenson - DNR, Allen[allen.sorenson@state.co.us]; Way, Steven[way.steven@epa.gov]  
**From:** Brown - DNR, Kirstin  
**Sent:** Mon 7/27/2015 4:46:22 PM  
**Subject:** Re: RnB status

Steve Fearn says 8X8 ish for the Gold King because the new adit was driven with a 3yd LHD. Keep in mind that the top of the dump has been modified by previous operators with lime amendment, so the top of the dump is probably not the elevation of the tunnel.

The pipes installed by DRMS have nothing to do with tunnel elevations either.

Elevation wise, the old tunnel should drain better than the new tunnel, but there must have been a collapse at the intersection that routed water to the new tunnel. A more recent collapse/sloughing may have re-routed water partially back to the old tunnel.

Kirstin

On Mon, Jul 27, 2015 at 10:31 AM, Sorrenson - DNR, Allen <[allen.sorenson@state.co.us](mailto:allen.sorenson@state.co.us)> wrote:

Yeah, adit dimensions rarely appear on mine maps, but it was worth a look. I am very interested to see the maps for the exact reason that you mention. But we have time. All ER is done is outside prep. Won't try to get into the mine until Harrison Western arrives in mid-August.

On Mon, Jul 27, 2015 at 10:24 AM, Brown - DNR, Kirstin <[kirstin.brown@state.co.us](mailto:kirstin.brown@state.co.us)> wrote:

I do not see heights in the maps. I am trying to put them on m:/imp/klf/GoldKing again. Hopefully it works this time.  
If you can look at the maps. I think it would be important to look at the Geology maps to see what kind of faults and ground you may encounter.

Kirstin

On Sat, Jul 25, 2015 at 1:16 PM, Sorrenson - DNR, Allen <[allen.sorenson@state.co.us](mailto:allen.sorenson@state.co.us)> wrote:

Hi Kirstin,  
MES is set up at the mine and mucked out sediments for several days. They are going to create some more head space at the portal by removing the timber set with five foot posts, carving out some of the ferricrete from the roof, and putting in two new sets with taller, approx. seven-foot posts. That should take them all day Monday and probably part of Tuesday, then they'll continue mucking. Hopefully they will start on the bypass pipe and coffer dam installation by the end of the week. The plan has changed to a single stem wall type coffer dam just upstream of the bulkhead.

Take a look any day you have time next week. Probably toward the end of the week would be more important. EPA's contractors, Environmental Restoration and Weston, will be there treating water and some other stuff, and they know you are coming.

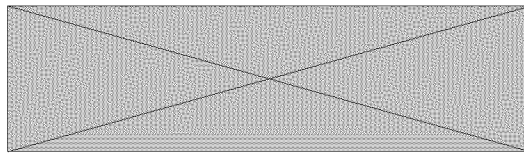
Environmental Restoration started doing some prep for opening up the Gold King new portal. I looked on the M-drive for the maps, but all I saw was some shape files and a 50 MB .tif that wouldn't open. We might have to find another way to get those maps to me. In the mean time, can you take a look and see if the maps show any dimensions for the new Gold King adit, particularly the height of the new adit at the portal? thanks! -Allen

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**Allen C. Sorenson**

Project Manager/Geological Engineer

Inactive Mine Reclamation Program



P 303.866.3567x8143 | F 303.832.8106 | C 303.263.7886

1313 Sherman Street #215, Denver, CO 80203

[allen.sorenson@state.co.us](mailto:allen.sorenson@state.co.us) | [www.mining.state.co.us](http://www.mining.state.co.us)

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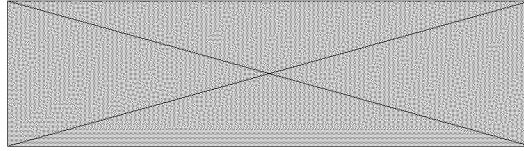
Kirstin Brown  
Colorado Division of Reclamation, Mining and Safety  
1257 Galaxy Drive  
Durango, CO 81301  
(970) 903-7889  
[kirstin.brown@state.co.us](mailto:kirstin.brown@state.co.us)

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**Allen C. Sorenson**

Project Manager/Geological Engineer

Inactive Mine Reclamation Program



P [303.866.3567](tel:303.866.3567) | F [303.832.8106](tel:303.832.8106) | C [303.263.7886](tel:303.263.7886)

1313 Sherman Street #215, Denver, CO 80203

[allen.sorenson@state.co.us](mailto:allen.sorenson@state.co.us) | [www.mining.state.co.us](http://www.mining.state.co.us)

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Kirstin Brown  
Colorado Division of Reclamation, Mining and Safety  
1257 Galaxy Drive  
Durango, CO 81301  
[\(970\) 903-7889](tel:970.903.7889)  
[kirstin.brown@state.co.us](mailto:kirstin.brown@state.co.us)